

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



United States
Environmental Protection
Agency

Office of Pesticide Programs

MEMORANDUM

10/30/2019

SUBJECT: Product Chemistry Review for Jaguar
EPA Reg. No.: 5813-REU, DP 453221

FROM: *S. Rodriguez, chemist*
Product Science Branch, CT Team
Antimicrobials Division (7510P)

THRU: Karen P. Hicks, Team Leader
Product Science Branch
Antimicrobials Division (7510P)

TO: Demson Fuller, PM Team 32 / Wanda Henson
Regulatory Management Branch I
Antimicrobials Division (7510P)

Registrant: The Clorox
Co.

Action code: A540

Agency Due Date:
11/14/2019

Science Due Date:
10/15/2019

Submission No.: 39613

E-Sub No.: 1035293

Classification: EP

Process: Integrated system

Pesticide classification:
Antimicrobial

Formulation from label			
PC code(s)	CAS #(s)	Active Ingredient(s)	% weight
069105	7681-52-9	Sodium Hypochlorite	3.65



I. BACKGROUND

The Registrant, The Clorox Co., has submitted an application for pesticide registration for their laundry sanitizer for use in the final rinse cycle of the washing machine product: ***Jaguar*** EPA Reg. No. 5813-REU. This product is for use in food processing, farms, restaurants, hotels, swimming pools, and in industrial applications as a bleach. This product kills bacteria as disinfectants, antiseptics or antibiotics and kills or irreversibly inactivates at least 99.9 % of bacteria, fungi & viruses.

II. RELEVANT DOCUMENTS

	RECEIVED	N/A
EPA FORM 8570-1 – Application for Pesticide Registration	<input checked="" type="checkbox"/>	<input type="checkbox"/>
EPA FORM 8570-27 – Formulator's Exemption Statement	<input checked="" type="checkbox"/>	<input type="checkbox"/>
EPA FORM 8570-34 – Certification with respect to citation of data	<input type="checkbox"/>	<input checked="" type="checkbox"/>
EPA FORM 8570-35 – Data Matrix (5/24/2019)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cover letter (5/24/2019)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Transmittal document	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proposed CSF BASIC & ALT #: (A01), (5/24/2019)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proposed label, (5/24/2019)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Certification for Pilot Fragrance Notification Program	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<i>REFERENCED: N/A</i>	--	

III. FINDINGS

CONFIDENTIAL STATEMENT OF FORMULA

a. Product Formulation:

	TGAI	MUP	<i>EUP</i>	Food use	<i>Non-food use</i>
Non-integrated	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<i>Integrated</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Active Ingredients(s)			Nominal	Upper limit	Lower limit
Sodium Hypochlorite			3.65	4.20	3.04

	Acceptable	Not Acceptable	N/A
1. The certified limits of all ingredients are within 40 CFR standard certified limits.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Wider certified limits were requested, and rationale was accepted.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. The nominal concentration(s) of the active ingredient is in agreement with the label.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. The chemical IDs and analytical information for density, pH, and flammability are consistent with Series 830 Group B data.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. All inert ingredients are approved for non-food use pesticide formulations.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. The impurities present >0.1% are identified.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Impurities of toxicological significance have an upper certified limit.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

b. Product Label:

	Yes	NO	N/A
<i>The formula contains one of the following:</i>			
1. 10% or more of petroleum distillate	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. 1.0% or more of methyl alcohol	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Sodium nitrite at any level	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. A toxic list 1 inert at any level	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Arsenic in any form	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. If yes to 2-6, then the inert ingredient list contains a relevant footnote	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Appropriate warning statements regarding flammability or explosive characteristics of the product are included on the label	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. The storage and disposal instructions for the pesticide container follow PR Notice 84-1 for household use products or PR Notice 83-3 for all other uses.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. The product requires an expiration date at which time the nominal concentration falls below the lower certified limit.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

IV. Additional Findings

V. Conclusion:

Product Science Branch of Antimicrobials Division finds the proposed Confidential Statements of Formula, for the basic and alternate #: (A01) formulations, , dated 5/24/19, and the OPPTS Guideline Group "A & B", Series 830, supporting the antimicrobial , integrated, non-food use, end-use product **5813-REU** to be **acceptable**.

VI. Table A:
Series 830 guidelines – Group A

OPPTS#	Name	Status	MRID
830.1550	Product Identity & Composition	Acceptable	50545701
830.1600	Description of materials	Acceptable	50545701
830.1620	Description of production process	Acceptable	50545701 50839902
830.1650	Description of formulation process	Acceptable	50545701
830.1670	Discussion of formation of impurities	Acceptable	50545701
830.1700	Preliminary analysis	Acceptable	50545701 50839902
830.1750	Certified limits	Acceptable	50545701
830.1800	Enforcement analytical method	Acceptable	50545701 50839902
830.1900	Submittal of samples	Not applicable, non-integrated	N/A

VII. Table B:
Series 830 guidelines – Group B
“Product Citation Data Waiver”
MRID#s: **50839902 & 50545701**